

Recent IBM Patents

The following patents were recently issued by the countries in which the inventions were made.

France

7,626,721 M. Moinet and J. M. Goudeau Chill Roll Extrusion Process

Germany

2,431,079 J. Gschwendtner, W. O. Haug, and H. E. Barsuhn Semiconductor Data Storage Arrangements
 2,626,420 G. Trippel and W. Ruh Method of Simultaneously Etching Multiple Tapered Viaducts in Semiconductor Material
 2,758,148 R. J. Kratzert and M. Schmidt Paper Transport Device for the Transport of Single as Well as Endless Forms in a Writing Device

United Kingdom

1,547,119 P. J. Evans Improvements Relating to Image Rotation Apparatus

United States

4,163,285 D. J. Bahr, K. H. Burckardt, and H. Hasselmeier Control Circuit for Metal Paper Printer Head
 4,165,069 D. F. Colglazier, E. P. Kollar, and F. R. Mares Copier Having Removable Paper Feed Module
 4,165,132 J. K. Hassan and J. A. Paivanas Pneumatic Control of the Motion of Objects Suspended on an Air Film
 4,165,155 J. G. Gordon II and G. T. Sincerbox Amplitude Modulation of Light Beam
 4,165,168 G. W. Baumann, R. L. Burdick, W. Goff, Jr., and E. L. Libby Electrophotographic Document Copier Machine with Modular Paper Path Assembly
 4,165,178 S. R. Coumo, Jr. and T. M. Ellington, Jr. Gap Measurement Tool
 4,165,395 T. H. P. Chang Process for Forming a High Aspect Ratio Structure by Successive Exposures with Electron Beam and Actinic Radiation
 4,165,490 L. D. Howe, Jr., A. E. Paniccia, and V. A. Scotto Clock Pulse Generator with Selective Pulse Delay and Pulse Width Control
 4,165,535 J. Mortelmans and O. Voegeli Bubble Memory Drive System Using a Picture Frame Core and a Reflection Box
 4,165,539 F. J. Aichelmann, Jr. Bidirectional Serial-Parallel-Serial Charged-Coupled Device
 4,165,870 J. L. Fallon, E. P. Kollar, and F. R. Mares Wave Generator to Shingle Sheets
 4,165,965 W. J. Bernardelli and F. Y. Brandon Backup Roll Cleaning System for a Heated Roll Fuser
 4,166,253 M. B. Small and P. S. Zory, Jr. Heterostructure Diode Injection Laser Having a Constricted Active Region
 4,166,258 S. C.-C. Tseng Thin-Film Integrated Circuit with Tank Circuit Characteristics and Applications to Thin-Film Filters and Oscillators
 4,166,279 A. Gangulee, P. S. Ho, and J. K. Howard Electromigration Resistance in Gold Thin Film Conductors
 4,166,690 J. L. Bacon, L. M. Ernst, and W. G. Hauptman Digitally Regulated Power Supply for Use in Electrostatic Transfer Reproduction Apparatus
 4,166,982 W. A. Christopherson Logical Circuit Reference Electric Level Generating Circuitry
 4,166,992 K. H. Brueckner, C. A. Farel, and P. Y. Hu Symmetrical Structure for Shunt Controlled Regulated Transformer
 4,167,013 P. K. Hoskins and H. W. Johnson Circuitry for Perfecting Ink Drop Printing at Nonlinear Carrier Velocity
 4,167,014 R. H. Darling and F. J. Perry Circuitry for Perfecting Ink Drop Printing at Varying Carrier Velocity
 4,167,016 R. Y. Hung and K. K. Shih Optically Isolated Monolithic Light Emitting Diode Array
 4,167,041 P. J. Curlander and T. A. Rehage Status Reporting
 4,167,269 M. R. Hatchett and L. J. Rigbey Flexible Record Disk Signal Storage Apparatus
 4,167,308 D. J. Barclay, C. L. Bird, and A. C. Lowe Electrochromic Display Device
 4,167,309 D. J. Barclay, C. L. Bird, A. C. Lowe, and D. H. Martin Electrochromic Display Device
 4,167,337 W. Jäerisch, G. Makosch, and A. Schmackpfeffer Interferometric Apparatus and Process
 4,167,741 R. S. Heard and D. W. Phillips Raster Slant Control in an Ink Jet Printer
 4,167,765 R. B. Watrous Transducer Suspension Mount Apparatus
 4,167,771 R. E. Simons Thermal Interface Adapter for a Conduction Cooling Module